

PREFACE.

NEITHER a desire of pecuniary gain nor a wish to appear as an author, prompted the presentation of this work to the public. Having felt the necessity of a more extended and systematic Intellectual Arithmetic for the younger, as well as more advanced pupils, I prepared and used in manuscript, in my own school, for a number of years, such a series of questions as I deemed best adapted to the purpose. After observing the superior mental training derived from their use, and the ease with which pupils thus trained comprehended the more advanced branches of mathematics, I venture to submit them to the public in the following pages, hoping that they may prove as useful to other schools as they have to my own.

The rule which I have observed in its preparation is to tell but one thing at a time, and that in its proper place.

It would be laborious to point out all the particulars in which this work differs from others of a similar character; I shall, therefore, give only a brief exposition of its general plan, leaving the other differences (which, doubtless, will be considered of importance) to be found by those who study the book.

Chapters First, Second, Third, and Fourth, treat respectively of Addition, Subtraction, Mul-